

Halogen-free Cables

SABIX® A 166 FRNC

wiring cable with improved fire performance and extended temperature range 0.6/1 kV



BRÜCKSKES · D-VIERSEN · SABIX® A 166 FRNC 0,6/1 kV 1,5 mm² CE

Marking for SABIX® A 166 FRNC 61660182:

SAB BRÜCKSKES · D-VIERSEN · SABIX® A 166 FRNC 0,6/1 kV 1,5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	SABIX®
Colour code:	see table*

Outstanding features:



- halogen-free
- no flame propagation
- flame retardant and self-extinguishing
- very good stripping
- flexible

Technical Data:

Nominal voltage:	U ₀ /U 0,6/1 kV
Testing voltage:	3000 V
Min. bending radius:	7,5 x d
For one single bend:	5 x d
Temperature range	
fixed laying:	-40/+90 °C
flexible application:	-30/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 cat. C resp. D, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Corrosiveness of conflagration gases:	in compliance with IEC 60754-2 + VDE 0482-754-2 - no development of corrosive conflagration gases
Smoke density:	acc. to IEC 61034 + VDE 0482-1034
Flexibility:	good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

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item no.	nominal cross-section mm²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
6166 .. 82*	1,50	0,26	3,2	14,4	23
6166 .. 84*	2,50	0,26	3,9	24,0	35
6166 .. 86*	4,00	0,31	4,5	38,4	51
6166 .. 87*	6,00	0,31	5,0	57,6	71
6166 .. 88*	10,00	0,41	7,3	96,0	131
6166 .. 89*	16,00	0,41	8,3	153,6	199
6166 .. 90*	25,00	0,41	10,2	240,0	305
6166 .. 91*	35,00	0,41	11,4	336,0	404
6166 .. 92*	50,00	0,41	14,1	480,0	576
6166 .. 93*	70,00	0,41	15,1	672,0	765
6166 .. 94*	95,00	0,51	18,5	912,0	1052
6166 .. 95*	120,00	0,51	20,0	1152,0	1261
6166 .. 96*	150,00	0,51	22,1	1440,0	1567
6166 .. 97*	185,00	0,51	23,5	1776,0	1892
6166 .. 98*	240,00	0,51	27,2	2304,0	2538

Other dimensions and colours are possible on request.

* Colour code for single conductors,
position 5 and 6 of the item no.:

01 = black	07 = violet
02 = blue	08 = white
03 = brown	09 = orange
04 = grey	11 = red
05 = yellow	16 = gentian blue
06 = green	27 = green-yellow



On request with
tinned copper strands